

PURPOSE/INTRO.:

This document acts to capture and define the required information needed to enter a Sales Order containing a pendant. This document serves to address both pendants sold on units or sold as spare parts. It applies to all electrical and air operated pendants.

DEFINITIONS:

- Finish – The level of “completeness” a customer is requesting their pendant to be supplied. Pendants can be ordered as the station only, cable only, or complete.
- Termination – The product/location in which the pendant is terminated/hanging from. This includes the type of termination, generally hardwired or via plug.
- Pendant Drop – a function of its length generally specified as Dimension ‘L’ in Appendix A. [NOTE: Not required for pendant body only].
- IP Rating – The “Ingress Protection” rating of the pendant. This is either IP65 or NEMA 4. Standard KITO style pendants are IP65 while L-series pendants from Duct-o-Wire are NEMA 4.

METHODS FOR ORDER PLACEMENT

- A. Station Only (Finish: Pendant Station, Less Cable)
 - i. The customer can provide a part number or previous order number in which the original pendant was supplied. Alternatively, a Product code could suffice, i.e. NER2005SD
 - ii. Confirm the arrangement, speed type and operation of the buttons on the pendant. In certain cases customers may buy products from HHI and integrate them into other equipment.
 - iii. Speed type should be defined as single speed, dual speed or three step. ON/OFF should be defined as E-Stop (Red Mushroom / Maintained On/Off / 1 Button) or 2 Button Momentary On/Off.
- B. Pendant with Cable (Finish: Pendant Complete, sold as spare/replacement parts)
 - i. In addition to the items in section A above. Confirm the termination of the pendant, hardwired, plug, or simply cut for customers end treatment.
 - ii. In order to define the customers Pendant Drop, one of three things need to be confirmed.
 - a. The overall length of the pendant being replaced. Measured from the bottom of the pendant to the end of the cable or plug (Appendix B).
 - b. Confirmation of the original Sales Order to which the replacement pendant applies.
 - c. The applicable unit’s product code and desired ‘L’ dimension from Appendix A.
- C. Pendant sold with Unit.
 - i. As separate line on sales order
 - a. The pendant can be configured along with the unit’s line item or separately when needed. With this method the unit details are known and pendants will be appropriate to the units function. Confirm only unit functions are required.
 - b. The Pendant Drop should be specified as dimension ‘L’ from Appendix A.

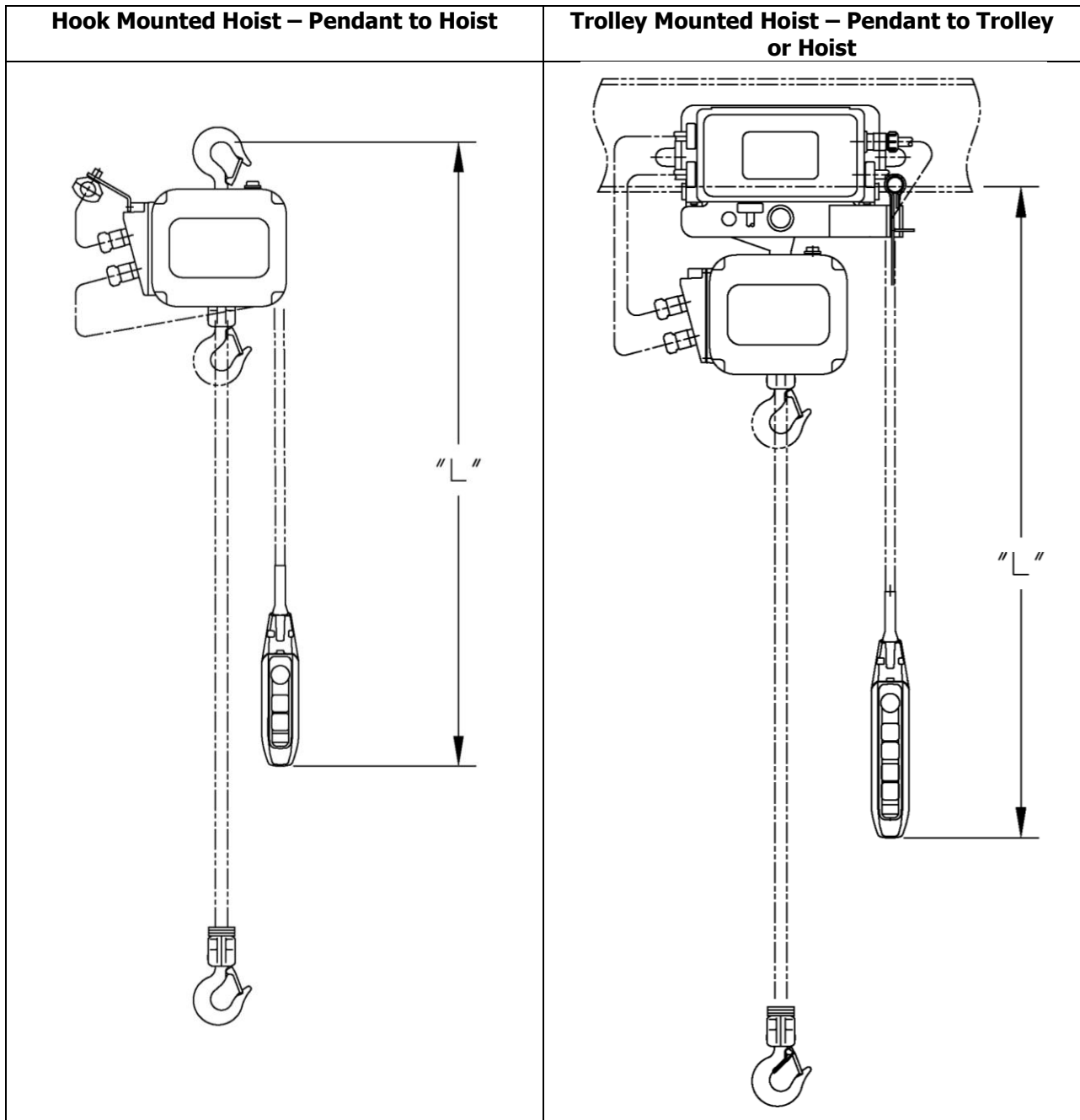
- ii. As part of a configuration. The unit's configuration model will specify all requirements for the pendant which will be added to the Bill of Materials of the unit and described in the extended description of the unit. No further action/information is required.
- D. Pendant Cable Only: (Finish: No Pendant Station, Plug or hardwired terminations can be added).
- i. Customer to provide previous Sale Order or Product Code.
 - ii. Customer to define Termination: hardwired or plug.
 - iii. Customer to define one of the requirements from section B(ii), above.

ORDER PLACEMENT RESOURCES

- EDOC1133 - ER2/MR2/(S)EQ/R1U Kito Style Pendant - Part Number Scheme and (Lift, Overall Length, L, H and D) Translator
- EDOC1096 - Electric Pendants, Identification Features
- EDOC0968 - Duct-O-Wire L-Series Pendants
- EDOC0632 - NEMA 4 Pendant Configurations and Assembly Numbers
- EDOC0760 – KITO SWD Type Pendant Parts
- EDOC1010 – L-Series NEMA 4 Pendant, PB1 CTO Configurator

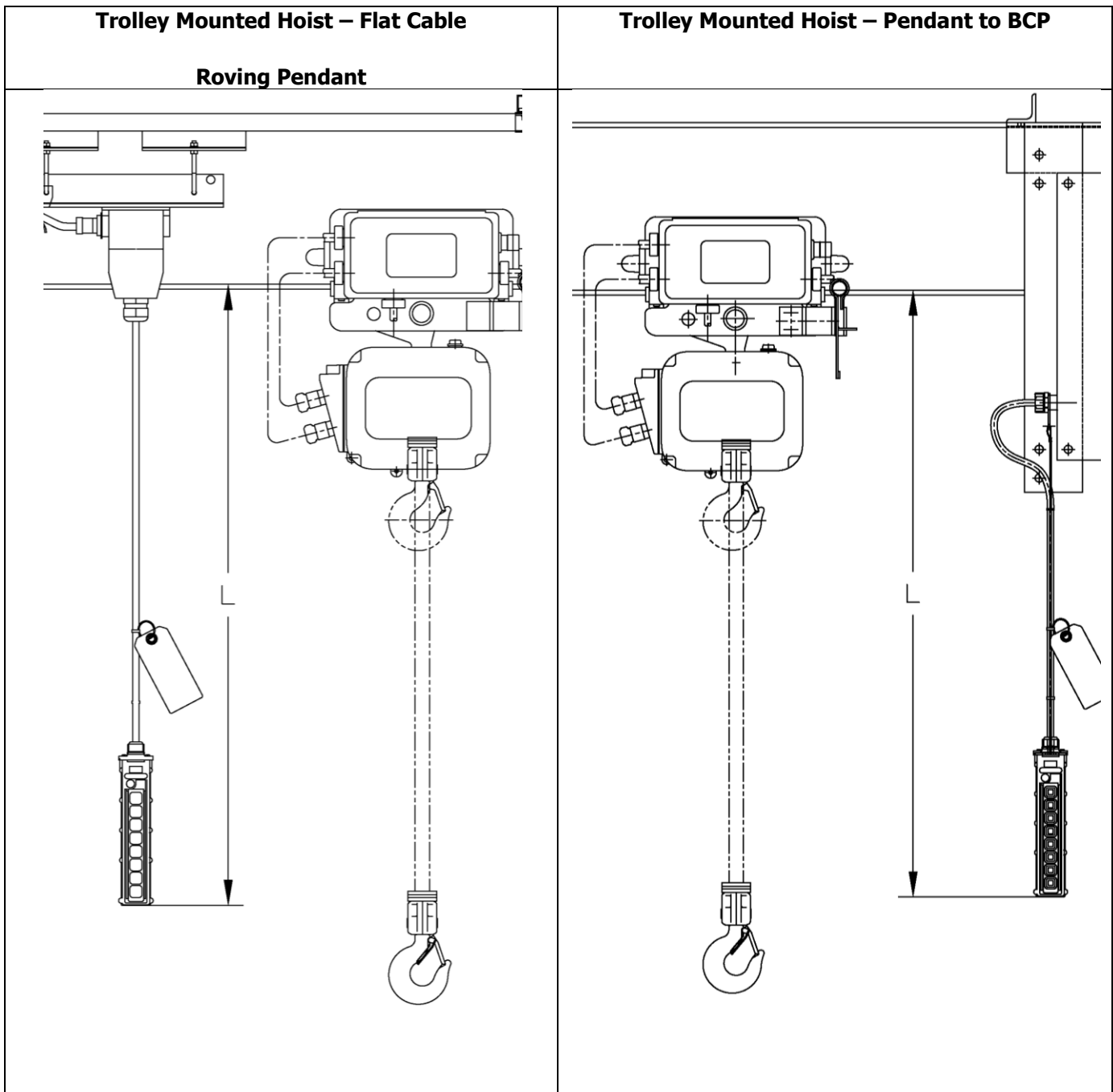
APPENDIX A – PENDANT DROP IN RELATION TO A UNIT

Pendant Drop requirements are defined by specifying dimension 'L' in this Appendix. Dimension 'L' is specified as the distance between the bottom of the pendant to the saddle of the hoists top hook or to the wheel running surface of the hoists trolley.



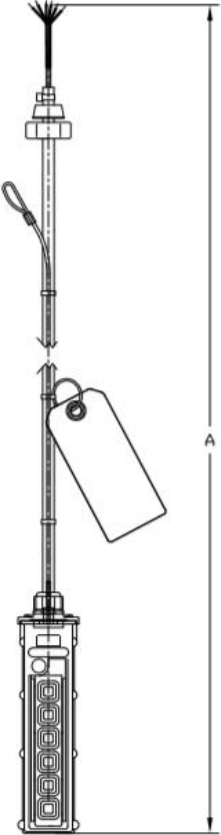
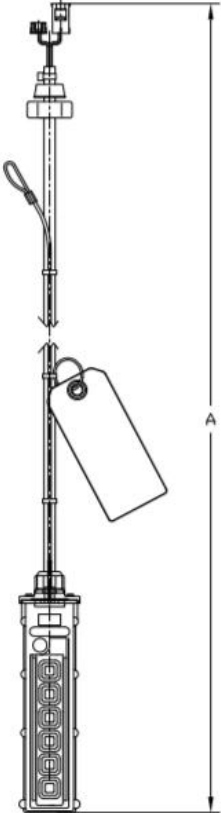
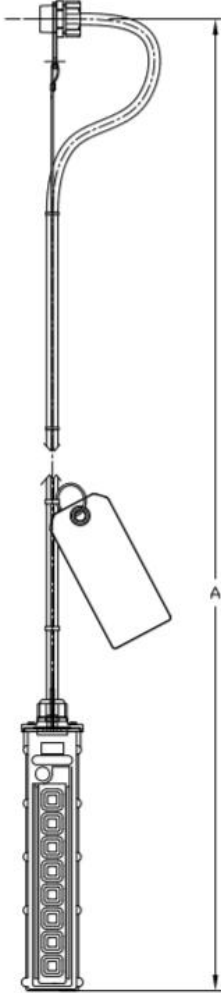
APPENDIX A – CONT.

When Roving Pendants are specified or the customer requests a pendant termination to the Bridge Control Panel (BCP), Dimension 'L' is specified as the distance between the bottom of the pendant to the wheel running surface of the hoists trolley. In either case, the depth of the beam, on which the trolley rides, must also be specified (bottom of the bottom flange to the top of the top flange).

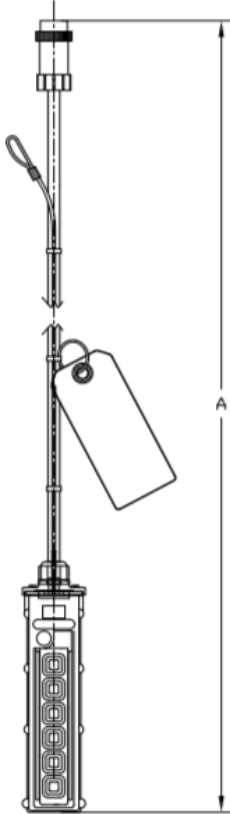
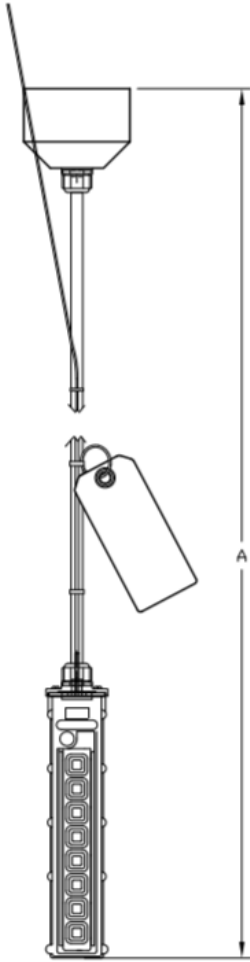
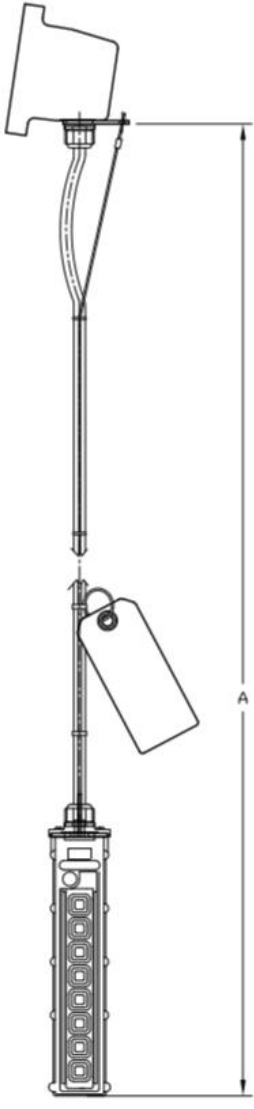


APPENDIX B – PENDANT DROP WITHOUT REFERENCE TO A UNIT

When a replacement pendant is specified by the customer the overall length (A) of the assembly may be the only method in confirming Pendant Drop. In this case the customer can specify the pendant assemblies total length, see below. For pendants that are intended to be hardwired into a hoist/trolley, the unit must also be specified. For pendants intended for integration with a roving pendant trolley or bridge control box, this must be specified.

Hardwired - Pendant to Hoist or Trolley with Ring Terminals	Hardwired - Pendant to Hoist or Trolley with JST Connectors	Hardwired - Pendant to BCP
		

APPENDIX B – CONT.

Plug - Pendant to Hoist or Trolley	Plug - Pendant to Roving Pendant Trolley	Plug - Pendant to BCP
		

END